

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 979271	A	19821207				198340 B

Priority Applications (No Type Date): SU 2992513 A 19800708

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 979271	A		3		

Abstract (Basic): SU 979271 A

Hydrogen fluoride is purified by treating with air, an inert gas such as nitrogen or helium, or a mixt. of inert gas and air, at room temp. at a rate of passage of 20-480 l./hr. per kg. acid for 1hr.

The method removes arsenic in addn. to other impurities, and gives HF with a lower content of S than that obtd. in the previous method of treating it with gas at a rate of 40 ml.-1 l./hr. per kg. which could not remove arsenic.

Impurity levels of SO₂ 0.0002, arsenic 0.0068 and total impurities 0.0032% in acid contg. 46% HF can be reduced to S 1 x 10 power -6 and As 1 x 10 power -6 compared to previous S level of 0.0005-0.001%. Bul. 45/7.12.82. (3pp Dwg. No. 0/0)

Derwent Class: E32; E36

International Patent Class (Additional): C01B-007/19

?s pn=su 1326552

S14

1 PN=SU 1326552

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